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SOURCE Periodicals as indicated.

CULTIVATION ZONES IN THE GDR

This report consists of information from a survey of cultivation zones prepared by the GDR (German Democratic Republic) Ministry of Agriculture and Forestry as a contribution to planning for increased yields under the Five-Year Plan, and percentage data on planting of oats in the GDR, by Laender and cultivation zones.

Numbers in parentheses refer to appended sources.

Survey of Cultivation Zones

Important prerequisites for raising cultivated plants in addition to the quality of the soil and elevation, are precipitation and temperature.

To get the best yields, the following measures must be carried out:

1. All types of plants which are not sufficiently productive must be eliminated.
2. The entire arable land must be divided into cultivation zones.
3. Within each cultivation zone a type-selection plan must be put into effect which uses the hereditary factors of the plants most effectively.

Therefore, the Ministry of Agriculture and Forestry worked out a weather map for the 126 Kreise of the GDR. The individual cultivation zones were determined on the basis of the following natural conditions:

1. Average precipitation (for about 40 years)
2. Yearly average and July temperatures (for about 40 years)
3. Elevation above sea level

- 1 -

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4. Soil quality

5. The ratios of the various plant types sown to one another.

In order eventually to establish the cultivation zones correctly, the chemical composition of the harvested plants will be studied to determine whether the hereditary factors of individual plants have been preserved. On the basis of these results, phenological maps for smaller regions will be made.(1)

[See table and map on following pages.]

- 2 -

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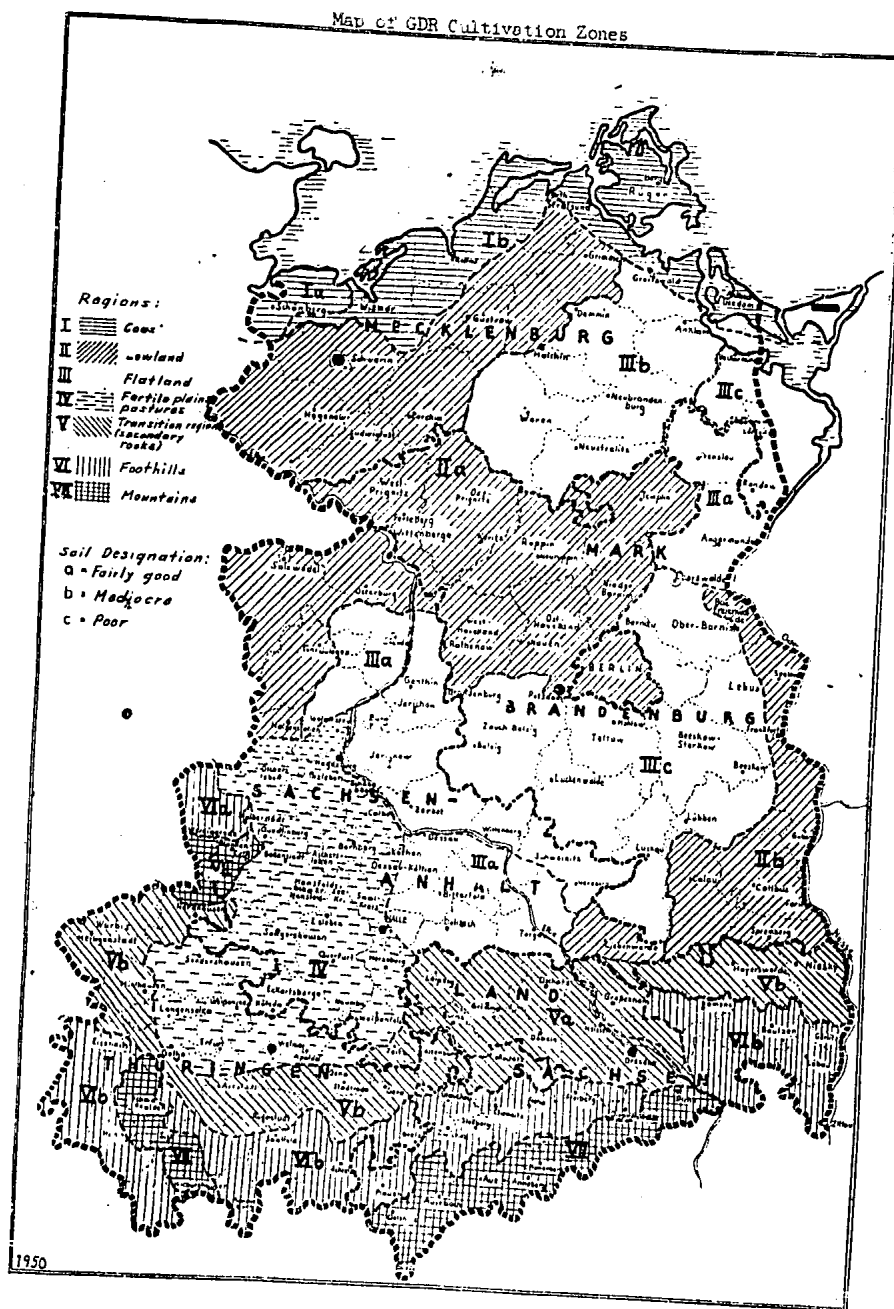
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Characteristics of GDR Cultivation Zones (1)

Cultivation Zone	Region	Elev Above Sea Level (meters)	Av Precipitation (mm)	Av Temp (°C)		Description
				Annual	July	
I	Coast	0-100	500-650	8	17.1	Poor to mediocre soil; cool summer, mild winter
II	Lowland	0-100	500-600	8.5	17.9	Poor to good soil, marshy and humus (high ground-water level in some places); warm summer, mild winter
III	Flatland	50-200	450-550	7.8	18.3	Mostly poor soil, partly flinty, partly washed-out (low ground-water level); warm summer, mild winter
IV	Fertile plains pasture land	100-200	450-550	8	17.9	Very good soil (good clay and loose soil); warm summer, mild winter
V	Transition region	150-400	500-600	7.7	17.7	Mostly good soil; warm summer, cold winter
VI	Foothills	200-450	500-600	7.4	17.5	Mediocre soil; warm summer, cold winter
VII	Mountains	450-1,000	650-1,000	5.8	16.5	Agriculturally poor soil (some better soil in valleys); cool summer, severe winter

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Planting of Oats in the GDR

In the GDR, 10.7 percent of the arable land is used for raising oats. The following percentages of arable land in the Laender are used for raising oats: Brandenburg 9.3, Sachsen-Anhalt 9.3, Thuringen 11, Mecklenburg 11.3, and Sachsen 14.

Of the total oats acreage in the GDR, Mecklenburg has 23.9 percent, Sachsen-Anhalt 23.1, Sachsen 20.6, Brandenburg 17.8, and Thuringen 14.6.

The following table shows the percentage distribution of various types of oats among the Laender:

<u>Types of Oats</u>	<u>Branden- burg</u>	<u>Mecklen- burg</u>	<u>Sachsen- Anhalt</u>	<u>Thuringen</u>	<u>Sachsen</u>
Flaemingsgold	22	28	15	13	22
Flaemingstreue	26	7	28	2	37
PSG Goldkorn	31	9	22	29	9
Svaloe's Goldregen III	3	3	8	7	79
Kirsches Pfiffelbacher	--	1	19	59	21
Dippes Weiss	9	10	35	5	41
Siegeshafer	27	45	20	--	8

If the area of the GDR is broken down according to cultivation zones, the following percentages of each zone's arable land are used for raising oats:

<u>Cultivation Zone</u>	<u>Arable Land Used for Oat Raising (%)</u>
I Coast	11.7
II Lowland	10.7
III Flatland	9.2
IV Fertile plains	8.5
V Transition region	12.5
VI Foothills	14.0
VII Mountains	15.2
All GDR	10.7 (2)

SOURCES

1. Berlin, Die Deutsche Landwirtschaft, Oct 50
2. Berlin, Statistische Praxis, Jun 51

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- 5 -

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